connection, comprising:

an enclosure which surrounds the contacts, with the power current connection of the moving contact tip being in the form of a cylindrical bolt, the enclosure including rigid metal parts, an annular insulator and a resilient gas-tight metallic separating wall, connected to one another in an arrangement and connected in a gas-tight manner to the power current connections of the contact tips, and surrounding one of the rigid metal parts together with both the stationary contact tip and the moving contact tip, wherein the power current connection of the stationary contact tip is in the form of a plate, the metal part which surrounds the two contact tips is tubular and is connected at the end to the plate, and wherein the resilient, metallic separating wall includes a membrane which is provided with concentric corrugations, is in the form of a disk, and is soldered on one side to the power current connection of the moving contact tip and on the other side via an axially running annular flange to the annular insulator.

2. (Amended) The vacuum switching chamber as claimed in claim 1, wherein, for a switching movement of 3 to 5 mm, the membrane includes:

a wall thickness s of between 0.1 and 0.2 mm,

a corrugation depth t of approximately half the switching movement, and

a number Z of full corrugations, all of which satisfy the condition $Z \tau 1 +$ integer $(\sqrt[3]{[(D_A - D_B) * s]})$, at least 3, where D_A = external diameter of the membrane, D_B = diameter of the power current connecting bolt of the moving contact tip, and s = thickness of the membrane.

3. (Amended) The vacuum switching chamber as claimed in claim 1, wherein the contact tips are in the form of flat spiral contacts.